

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

| | | | |
|-------------------|---------------------------------|-------------------------|-----------------|
| CONTRACTOR | CONTRACT NO. / TASK NO. | JOB ORDER NUMBER | APPROVAL |
| QSS Group, Inc. | NAS5- 99124 67 | 568-860-10-52-89 | 99 |

TASK TITLE: (NTE 80 characters; include Project name)

IRAC Spacecraft & Instrument Simulators

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE FOR TASK MONITOR

| | | | | |
|------------------|------------------------|-----------------|------------------|-----------------------|
| Raymond E. Jungo | DATE 4/29/99 | ORG CODE 568 | MAIL CODE 568 | PHONE 301-286-2850 |
|------------------|------------------------|-----------------|------------------|-----------------------|

BRANCH HEAD

| | | | |
|------------|------------------------|-------------|-----------------------|
| Fred Hugel | DATE 4/27/99 | CODE 568 | PHONE 301-286-2285 |
|------------|------------------------|-------------|-----------------------|

CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)

| | | | |
|------------|------------------------|-------------|-----------------------|
| Fred Hugel | DATE 4/27/99 | CODE 568 | PHONE 301-286-2285 |
|------------|------------------------|-------------|-----------------------|

FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?
(If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)

CONTRACTING OFFICER'S QUALITY REP.

DESIGNATED FAM:

(X) NO () YES

Larry Moore

Ron Kolecki

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

C.O. Requested Quote on:

Date: MAY - 3 1999

Contractor will develop specification or statement of work under this task for a future project (X) NO () YES

Flight hardware will be shipped to GSFC for testing prior to final delivery () NO () YES (X) N/A

Government Furnished Property/Facilities () NO (X) YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: () NO (X) YES If yes: (X) TOTAL () PARTIAL
If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: (X) NO () YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be May 3, 1999.

INCENTIVE FEE STRUCTURE (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

| | No. 1 | No. 2 | No. 3 | No. 4 | <input checked="" type="checkbox"/> No. 5 |
|-----------|-------|-------|-------|-------|---|
| Cost | 10% | 50% | 25% | 25% | 4% |
| Schedule | 15% | 25% | 25% | 50% | 48% |
| Technical | 75% | 25% | 50% | 25% | 48% |

(to be completed by Contracting Officer)

The target cost of this task order is \$ 272,995.

The target fee of this task order is \$ 17,604.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 290,599.

The maximum fee is \$ 25,728.

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

Lois L. Eakin
SIGNATURE OF CONTRACTING OFFICER

10/4/99
DATE

Lois L. Eakin
Contracting Officer

TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE

DATE

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| CONTRACTOR | CONTRACT NO./TASK NO. | TASK NO. | AMENDMENT |
|-----------------|-----------------------|----------|-----------|
| QSS Group, Inc. | NAS5- 99124 | 67 | |

Applicable paragraphs from contract Statement of Work:

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

The contractor shall design, develop, specify hardware and software, assemble, integrate and test two spacecraft simulators for use on the IRAC IDM and and flight unit instruments. Tasks include:

Specify/obtain hardware, specify, obtain/write software, assemble, integrate and test hardware and software, determine all interfaces, integrate with IRAC instrument, IRAC instrument simulators and ASIST workstation and test and verify proper operation.

Provide all design and operational documentation

Spacecraft simulators to include:

C&DH simulator, thermal monitoring GSE, spacecraft and UPS power supplies, mechanical control GSE harnessing and external and internal interfaces.

Develop four IRAC instrument simulators that simulate the IRAC Instrument.

Tasks include:

Specify hardware and specify/write software, determine all interfaces, integrate and test hardware and software.

Test and verify instrument simulators with ASIST workstation, spacecraft simulate and science GSE. Test and verify instrument simulators with Lockheed Martin GSE such as TTACS and spacecraft simulator. Provide operational/test documentation and specifications. Provide upgrades and modifications to hardware/software and documentation.

PERFORMANCE SPECIFICATIONS:

IRAC Performance Verification Plan

SIRTF Observatory and Interface Control Document

APPLICABLE DOCUMENTS:

Same as above.

TASK END DATE: 7/30/00**MILESTONES/DELIVERABLES AND DATES:**

July 30, 1999 for IDM spacecraft simulator

March 1, 2000 for Flight unit spacecraft simulator

Instrument simulators 1 and 2 complete by May 30, 1999

Instrument simulators 3 and 4 by June 30, 2000

PERFORMANCE STANDARDS:

Schedule: On-time delivery of the above

Technical: In accordance with performance specifications

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Command 5, June, Code 568, building 5, room W76D